

S/N 10/069,783
Customer No. 20529
Attorney Docket No. 24914

IN THE CLAIMS

1. (Currently amended) An apparatus for preparing sterilizing water, which comprises an electrolyzer wherein an anode chamber (10) and a cathode chamber (20) partitioned by an ion exchange membrane (40) form a unit cells (A), said unit cells(A) being alternately arranged and brought into close contact with each other~~and successively equipped with close relation~~; water inlets (61, 62) and water outlets (71, 72) are ~~provided~~attached to on the ~~end plate (60,70) at both ends~~ plates (60,70) of the said electrolyzer; said anode chamber(10) and cathode chamber (20) having circulative openings at the vicinity of each edge at both side centered from anode plate (11) and cathode plate (21), of which two circulative openings of diagonal direction among them have fan-shaped plural passages ~~of fan shape~~, in order for water introduced through the openings to pass-flow through the passages to rapidly go through each electrode; and an anode reaction chamber (13) and a cathode reaction chamber (23) are formed by a gap-control gasket (30) and a electrolyte leakage prevention gasket ~~for preventing leakage of electrolyte (31) having plurality of horizontal members are provide at the center region to form an anode reaction chamber (13) and a cathode reaction chamber (23).~~

2. (Currently amended) An apparatus for preparing sterilizing water according to claim 1, wherein ~~the~~an anode passage (21~~2~~) and ~~the~~a cathode passage (22) formed in each gasket (30, 31) make the water from each introduced through the water inlet (61, 62)

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to flow in through the anode passage (12) and the cathode passage (22), respectively.

3. (Original) An apparatus for preparing sterilizing water according to claim 2, wherein a dimension stable anode (DSA) using an oxygen-generating catalyst or platinum plating on titanium substrate is employed as an anode plate (11).

4. (Currently amended) An apparatus for preparing sterilizing water according to claim 2, wherein a hydrogen-generating catalyst on a stainless steel, nickel, mild steel or titanium substrate is employed as anthe cathode plate (21)~~employs hydrogen-generating catalyst in addition to the substrate made of stainless steel, nickel, mild steel, or titanium.~~

5. (Previously presented) An apparatus for preparing sterilizing water according to claim 3, wherein the oxygen-generating catalyst is iridium or ruthenium.

6. (Previously presented) An apparatus for preparing sterilizing water according to claim 4, wherein the hydrogen-generating catalyst is iridium or ruthenium.